

TOWARD A SCIENCE OF CONSCIOUSNESS
TUCSON CONFERENCE
ABSTRACT
TAXONOMY

2014 REVISED

01.00 Philosophy

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- 01.01 The concept of consciousness
- 01.02 Ontology of consciousness
- 01.03 Materialism and dualism
- 01.04 Qualia
- 01.05 Machine consciousness
- 01.06 Mental causation and the function of consciousness
- 01.07 The "hard problem" and the explanatory gap
- 01.08 Higher-order thought
- 01.09 Epistemology and philosophy of science
- 01.10 Personal identity and the self
- 01.11 Free will and agency
- 01.12 Intentionality and representation
- 01.13 Philosophy of perception
- 01.14 Miscellaneous

02.00 Neuroscience

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- 02.01 Neural correlates of consciousness (general)
- 02.02 Neuroscience of vision
- 02.03 Other sensory modalities
- 02.04 Motor control
- 02.05 Memory and learning
- 02.06 Blindsight
- 02.07 Neurology, neuropsychology and neuropathology
- 02.08 Anesthesia
- 02.09 Cellular and sub-neural processes
- 02.10 Quantum brain processes
- 02.11 Pharmacology
- 02.12 Neural synchrony and binding
- 02.13 Emotion
- 02.14 Sleep and waking
- 02.15 Specific brain areas
- 02.16 Miscellaneous

03.00 Cognitive Science & Psychology

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- 03.01 Attention
- 03.02 Vision
- 03.03 Other sensory modalities
- 03.04 Memory and learning
- 03.05 Emotion
- 03.06 Language
- 03.07 Mental imagery
- 03.08 Implicit and explicit processes
- 03.09 Unconscious/conscious processes
- 03.10 Sleep and dreaming
- 03.11 Cognitive development

- 03.12 Artificial intelligence & robotics
- 03.13 Neural networks and connectionism
- 03.14 Cognitive architectures
- 03.15 Ethology
- 03.16 Self-consciousness and metacognition
- 03.17 Temporal consciousness
- 03.18 Intelligence and creativity
- 03.19 Miscellaneous

04.00 Physical and Biological Sciences

- 04.01 Quantum physics
- 04.02 Space and time
- 04.03 Integrative models
- 04.04 Emergent and hierarchical systems
- 04.05 Nonlinear dynamics
- 04.06 Logic and computational theory
- 04.07 Quantum biology
- 04.08 Biophysics and living processes
- 04.09 Evolution of consciousness
- 04.10 Medicine and healing
- 04.11 Miscellaneous

05.00 Experiential Approaches

- 05.01 Phenomenology
- 05.02 Meditation
- 05.03 Hypnosis
- 05.04 Other altered states of consciousness
- 05.05 Transpersonal and humanistic psychology
- 05.06 Psychoanalysis and psychotherapy
- 05.07 Lucid dreaming
- 05.08 Anomalous experiences
- 05.09 Parapsychology
- 05.10 Contemplation and mysticism
- 05.11 Miscellaneous

06.00 Culture and Humanities

- 06.01 Literature and hermeneutics
- 06.02 Art and aesthetics
- 06.03 Music
- 06.04 Religion and spirituality
- 06.05 Mythology
- 06.06 Sociology
- 06.07 Anthropology
- 06.08 Information technology
- 06.09 Ethics and legal studies
- 06.10 Education
- 06.11 Miscellaneous